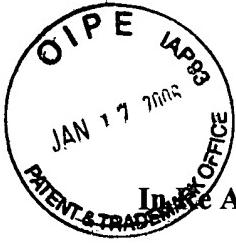


PATENT**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****In the Application of****Hakan Inanoglu****Serial No. 10/816,999****Filed: April 2, 2004**

) For: **CALIBRATION OF TRANSMIT
AND RECEIVE CHAINS IN A
MIMO COMMUNICATION
SYSTEM**
)
) Examiner:
)
) Group No. **2681**

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit herewith, in accordance with 37 CFR § 1.98, the patents, publications and other information listed on the enclosed Form PTO-1449.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: January 12, 2006

Depositor's Name: Susie Simsik
(type or print name)

Signature: Susie Simsik

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transmitted by facsimile to the Patent and Trademark Office.

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(type or print name)

Signature: _____

The references submitted herewith are those of which Applicants are aware, which they believe may be material to the examination of this application and, with respect to which there may be a duty to disclose in accordance with 37 CFR § 1.56. While the references identified may be material to the examination of this application pursuant to 37 CFR § 1.56, the citation of these references is not intended to constitute an admission that any reference referred to herein is prior art to the invention of this application, unless specifically designated as such. Additionally, the filing of this Information Disclosure Statement shall not be construed to mean that any search has been made or, that if made, such search was complete or exhaustive, or that no other material information as defined in 37 CFR § 1.56 exists.

In accordance with 37 CFR § 1.97(b)(3), this Information Disclosure Statement is being submitted before mailing of the first Office Action on the merits. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application.

A list of the references is set forth on Form PTO-1449, which is enclosed herewith, along with a copy of each cited foreign reference (copies of U.S. references are not enclosed). Applicants respectfully request that the Examiner return to Applicants a copy of the Form PTO-1449 indicating consideration of the references cited thereon.

Applicants do not believe that any fees are due. If, however, it is determined that fees are owed, Applicants hereby authorize that such fees be charged to Deposit Account No. 17-0026.

Respectfully submitted,

Dated: January 11, 2006

By: 

Dmitry R. Milikovsky & Reg. No. 41,999
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San Diego, California 92121-1714
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Facsimile: (858) 658-2502

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 040129	SERIAL NO. 10/816,999
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>		APPLICANT Hakan Inanoglu	
DATE MAILED: January 2, 2006	JAN 17 2004 U.S. PATENT DOCUMENTS	FILING DATE April 2, 2004	GROUP 2481

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
A1	6144711	11/7/00	Raleigh et al	375	347	
A2						
A3						

*EXAMINER INITIAL	PUBLICATION NUMBER	PUB. DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
B1	20030002450 A1	1/2/03	Jalali et al	370	294	
B2						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
C1		WO 99/57820	11/11/99	PCT	Arraycomm, Inc.		
C2		DE 19951525 A1	10/26/99	DE	Siemens		
C3							

OTHER PRIOR ART (*Including Author, Title, Date, Pertinent Page, Etc.*)

D1	Bourdoux et al, "NON-RECIPROCAL TRANSCIEVERS IN OFDM/SDMA SYSTEMS: IMPACT AND MITIGATION", 2003, PGS 183-186
D2	Liu et al, "OFDM-MIMO WLAN AP FRONT-END GAIN AND PHASE MISMATCH CALIBRATION", 2004, PGS 151-154
D3	Sakaguchi et al, "COMPREHENSIVE CALIBRATION FOR MIMO SYSTEM", 2002, PGS 440-443
D4	Nishimori et al, "AUTOMATIC CALIBRATION METHOD USING TRANSMITTING SIGNALS OF AN ADAPTIVE ARRAY FOR TDD SYSTEMS", 2001, PGS 1636-1640
D5	Nishimori et al, "A NEW CALIBRATION METHOD OF ADAPTIVE ARRAY FOR TDD SYSTEMS", 1999, PGS 1444-1447
D6	Shelton et al, "A ROBUST ITERATIVE ALGORITHM FOR WIRELESS MIMO ARRAY AUTO-CALIBRATION" 2004, PGS II-341-II-344

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.